

Please enter the following amendments and remarks:

STATUS OF CLAIMS

Claims 1 - 98 are pending.

Claims 2 – 12 and 55 – 98 have been withdrawn.

Claim 1 stands rejected.

Claims 13 – 54 stand objected to.

Claim 1 has been canceled herein in its entirety, without prejudice and subject to the right to prosecute claim 1, or the subject matter thereof, in this or a subsequent application.

AMENDMENTS AND CLAIM LISTING

Applicant submits that the following claim listing replaces and supercedes all previous claim listings:

Claims:

1. (Cancelled)

2-12. (Withdrawn)

13. (Currently Amended) An ink jet printable heat transfer material comprising ~~The ink jet~~
~~printable heat transfer material of claim 1 wherein the cold release layer comprises:~~

a cold release layer comprising:

one or more silicones;

one or more crosslinkers; and

one or more controlled release additives for silicone chemistries;

a wash layer;

and an ink receptive layer.

14. (Original) The ink jet printable heat transfer material of claim 13 wherein the cold release layer further comprises one or more matting agents.

15. (Original) The ink jet printable heat transfer material of claim 13 wherein the silicones comprise one or more of the group consisting of thermally curable solvent based silicone, thermally curable solventless silicone, thermally curable emulsion silicone, ultraviolet curable acrylate silicone, and ultraviolet curable epoxy silicone.
16. (Original) The ink jet printable heat transfer material of claim 13 wherein the silicones comprise about 1 to about 99 dry percent of the cold release layer.
17. (Original) The ink jet printable heat transfer material of claim 13 wherein the crosslinkers comprise one or more of the group consisting of tin catalyzed crosslinkers, platinum catalyzed crosslinkers, ultraviolet free radical catalyzed crosslinkers, and ultraviolet cationic catalyzed crosslinkers.
18. (Original) The ink jet printable heat transfer material of claim 14 wherein the matting agents comprise one or more of the group consisting of fumed silica, precipitated silica, solgel silica, colloidal silica, silicates, nylon copolymers, ground calcium carbonate, precipitated calcium carbonate, alumina, and clay.
19. (Original) The ink jet printable heat transfer material of claim 13 wherein the cold release layer further comprises one or more defoamers.
20. (Original) The ink jet printable heat transfer material of claim 13 wherein the cold release layer further comprises one or more dyes.
21. (Original) The ink jet printable heat transfer material of claim 13 wherein the cold release layer further comprises one or more optical brighteners.

22. (Original) The cold release layer of claim 13 wherein the cold release layer is coated at a coat weight of about 0.5 to about 7 dry gsm.

23. (Original) The cold release layer of claim 13 wherein the cold release layer is coated at a coat weight of about 1 to about 5 dry gsm.

24. (Currently Amended) The ink jet printable heat transfer material of claim 1-13 wherein the wash layer comprises:

one or more ethylene acrylic acids;

one or more non-water soluble plasticizers;

one or more ethylene-vinyl chlorides;

one or more urethane adhesion promoters;

one or more fluorosurfactant wetting and flow agents;

one or more copolyamine resins;

one or more hard waxes;

one or more non-water soluble antioxidants; and

a mixture of water soluble and non-water soluble cationic polymers.

25. (Original) The ink jet printable heat transfer material of claim 24 wherein the hard waxes comprise one or more of the group consisting of polyethylene wax and polypropylene wax.

26. (Original) The ink jet printable heat transfer material of claim 24 wherein the ethylene acrylic acid is between about 10 and about 100 dry percent of the wash layer.
27. (Original) The ink jet printable heat transfer material of claim 24 wherein the non-water soluble plasticizer is between about 0 and about 30 dry percent of the wash layer.
28. (Original) The ink jet printable heat transfer material of claim 24 wherein the ethylene-vinyl chloride is between about 0 and about 50 dry percent of the wash layer.
29. (Original) The ink jet printable heat transfer material of claim 24 wherein the urethane adhesion promoter is between about 0 and about 50 dry percent of the wash layer.
30. (Original) The ink jet printable heat transfer material of claim 24 wherein the fluorosurfactant wetting and flow agent is between about 0 and about 5 dry percent of the wash layer.
31. (Original) The ink jet printable heat transfer material of claim 24 wherein the copolyamine resin is between about 0 and about 100 dry percent of the wash layer.
32. (Original) The ink jet printable heat transfer material of claim 24 wherein the hard wax is between about 0 and about 100 dry percent of the wash layer.
33. (Original) The ink jet printable heat transfer material of claim 24 wherein the antioxidant is between about 0 and about 10 dry percent of the wash layer.
34. (Original) The ink jet printable heat transfer material of claim 24 wherein the cationic polymer is between about 0 and about 20 dry percent of the wash layer.

35. (Original) The ink jet printable heat transfer material of claim 24 wherein the wash layer further comprises one or more antifoaming agents.

36. (Original) The ink jet printable heat transfer material of claim 24 wherein the wash layer is coated at a coat weight of about 1 to about 100 dry gsm.

37. (Original) The ink jet printable heat transfer material of claim 24 wherein the wash layer is coated at a coat weight of about 30 to about 40 dry gsm.

38. (Currently Amended) The ink jet printable heat transfer material of claim 4 or 13 wherein the ink receptive layer comprises:

one or more hard waxes;

one or more high porosity powders;

one or more ethylene-vinyl chloride emulsions;

one or more water soluble cationic polymers;

one or more non-water soluble cationic polymers;

one or more non-water soluble plasticizers;

one or more non-water soluble antioxidants;

a mixture of flow and wetting agents; and

one or more high porosity inorganic material.

39. (Original) The ink jet printable heat transfer material of claim 38 wherein the high porosity powders comprise one or more of the group consisting of polyamide resin and copolyamide resin.
40. (Original) The ink jet printable heat transfer material of claim 38 wherein the hard wax comprises one or more of the group consisting of polyethylene wax and polypropylene wax.
41. (Original) The ink jet printable heat transfer material of claim 38 wherein the hard wax is between about 0 and about 50 dry percent of the ink receptive layer.
42. (Original) The ink jet printable heat transfer material of claim 38 wherein the high porosity powder is between about 50 and about 95 dry percent of the ink receptive layer.
43. (Original) The ink jet printable heat transfer material of claim 38 wherein the ethylene-vinyl chloride emulsion is between about 0 and about 20 dry percent of the ink receptive layer.
44. (Original) The ink jet printable heat transfer material of claim 38 wherein the water soluble cationic polymer is between about 0 and about 15 dry percent of the ink receptive layer.
45. (Original) The ink jet printable heat transfer material of claim 38 wherein the non-water soluble cationic polymer is between about 0 and about 20 dry percent of the ink receptive layer.
46. (Original) The ink jet printable heat transfer material of claim 38 wherein the non-water soluble plasticizer is between about 0 and about 40 dry percent of the ink receptive layer.

47. (Original) The ink jet printable heat transfer material of claim 38 wherein the non-water soluble antioxidant is between about 0 and about 10 dry percent of the ink receptive layer.
48. (Original) The composition of claim 38 wherein the mixture of flow and wetting agents is between about 0 and about 5 dry percent of the ink receptive layer.
49. (Original) The ink jet printable heat transfer material of claim 38 wherein the high porosity powder is between about 50 and about 95 dry percent of the ink receptive layer.
50. (Original) The ink jet printable heat transfer material of claim 38 wherein the high porosity inorganic material is between about 0 and about 80 dry percent of the ink receptive layer.
51. (Original) The ink jet printable heat transfer material of claim 38 wherein the high porosity inorganic material comprises one or more of the group consisting of alumina, silica gel, precipitated silica, fumed silica, colloidal silica and solgel silica.
52. (Original) The ink jet printable heat transfer material of claim 38 wherein the ink receptive layer further comprises one or more anti-foaming agents.
53. (Original) The ink jet printable heat transfer material of claim 38 wherein the ink receptive layer is coated at a coat weight of about 1 to about 100 dry gsm.
54. (Original) The ink jet printable heat transfer material of claim 38 wherein the ink receptive layer is coated at a coat weight of about 15 to about 30 dry gsm.
- 55-98. (Withdrawn)